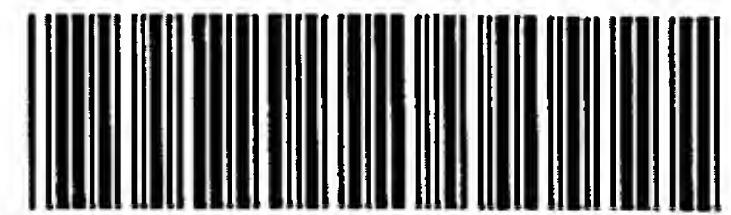


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/583,127
Source: IFW
Date Processed by STIC: 7/27/06

ENTERED



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/583,127

DATE: 07/27/2006

TIME: 10:27:25

Input Set : A:\FS04-421PCT sequence list.ST25.txt
 Output Set: N:\CRF4\07272006\J583127.raw

3 <110> APPLICANT: Two Cells. Co. Ltd
 5 <120> TITLE OF INVENTION: Bactericide against Streptococcus mutans and Streptococcus sobrinus
 7 <130> FILE REFERENCE: PFS04-421PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/583,127
 C--> 9 <141> CURRENT FILING DATE: 2006-06-16
 9 <160> NUMBER OF SEQ ID NOS: 4
 11 <170> SOFTWARE: PatentIn version 3.1
 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 979
 15 <212> TYPE: PRT
 16 <213> ORGANISM: Streptococcus mutans
 18 <400> SEQUENCE: 1
 20 Met Lys Ser Lys Thr Tyr Leu Met Ile Pro Leu Ala Leu Thr Leu Phe
 21 1 5 10 15
 24 Met Ala Ala Asn Lys Ile Ser Ala Asp Glu Gln Asn Gln Ser Leu Ser
 25 20 25 30
 28 Ala Ser Glu Val Ile Ser Ser Asp Ala Thr Ser Val Ser Glu Leu Pro
 29 35 40 45
 32 Ala Thr Thr Ala Gln Ile Ser Gln Glu Val Arg Asn Asn Gly Gln Asp
 33 50 55 60
 36 Ser Thr Ile Gln Leu Gln Gln Thr Gln Glu Gln Ser Asp Pro Ile Thr
 37 65 70 75 80
 40 Ser Thr Ser Glu Thr Thr Val Ser Ser Met Lys Ala Val Thr Asn Gly
 41 85 90 95
 44 Ser Pro Ala Lys Ala Asn Glu Thr Glu Thr Val Pro Ser Gln Ala Ser
 45 100 105 110
 48 Thr Ala Ser Ser Val Gln Thr Pro Asp Gln Ile Ser Thr Val Pro Ser
 49 115 120 125
 52 Val Lys Ala Glu Thr Thr Ser Thr Ala Asp Gln Leu Gln Ser Thr Ser
 53 130 135 140
 56 Ser Ala Pro Leu Asp Gln Gln Thr Asp Ala Lys Arg Leu Ser Asn Lys
 57 145 150 155 160
 60 Met Thr Pro Ala Ser Ser Val Gln Ala Arg Ser Ser Leu Thr Gln Asp
 61 165 170 175
 64 Lys Gln Val Gln Ala Gln Glu Val Thr Ser Ala Val Val Glu Glu Lys
 65 180 185 190
 68 Gly Ile Lys Leu Gln Tyr Asn Gly Gln Ile Ala Arg Asn Thr Lys Ile
 69 195 200 205
 72 Gln Phe Ala Val Trp Ser Ala Arg Asn Asp Gln Asp Asp Leu Gln Trp
 73 210 215 220
 76 Tyr Thr Ala Asn Asn Met Gly Ala Ala Tyr Ala Glu Phe Lys Asn His
 77 225 230 235 240
 80 Arg Glu Tyr Gly Thr Tyr Tyr Val His Thr Tyr Ala Asn Gln Asn Gly

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/583,127

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Input Set : A:\FS04-421PCT sequence list.ST25.txt
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81	245	250	255
84	Lys Met Ile Gly Leu Asn Ala Thr Thr Leu Thr Ile Ala Gln Pro Gln		
85	260	265	270
88	Val Gln Thr Asn Ile Gln Arg Lys Ser Ala Thr Asn Phe Glu Leu Thr		
89	275	280	285
92	Val Ser Asn Val Pro Asn Thr Ile Ser Ser Ile Met Val Pro Val Trp		
93	290	295	300
96	Ser Asp Gln Asn Gly Gln Asp Asp Ile Lys Trp Tyr Asn Ala Arg Lys		
97	305	310	315
100	Ala Asp Asp Gly Ser Tyr Lys Ala Leu Ile Asp Thr Lys Asn His Lys		
101	325	330	335
104	Asn Asp Leu Gly His Tyr Glu Ala His Ile Tyr Gly Tyr Ser Thr Val		
105	340	345	350
108	Thr Gln Ser Gln Ile Gly Leu Ala Val Ser Ser Gly Phe Asp Arg Asn		
109	355	360	365
112	Asp Thr Arg Pro Asn Ala Arg Ile Ser Val Ala Asp Tyr Asp Gln Asn		
113	370	375	380
116	Lys Thr Thr Phe Asp Val Val Val Glu Gly Ser Ser Asp Thr Lys Thr		
117	385	390	395
120	400	405	410
121	Val Ser Ala Val Asn Ile Ala Val Trp Ser Glu Asp Lys Gly Gln Asp		
124	420	425	430
128	435	440	445
132	His Val Tyr Thr Asp Tyr Thr Asp Gly Thr His Ser Gly Thr Ile Leu		
133	450	455	460
136	Gly Ala Tyr Gln Ile Asn Lys Pro Leu Glu Lys Asn Thr Val Ser Ala		
137	465	470	475
140	480	485	490
144	495	500	505
145	510	515	520
148	525	530	535
152	540	545	550
156	555	560	565
160	570	575	580
164	590	595	600
168	605	610	615
172	620	625	630
176	635	640	645

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/583,127

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Input Set : A:\FS04-421PCT sequence list.ST25.txt
Output Set: N:\CRF4\07272006\J583127.raw

180 Tyr Gly Gln Ser Lys Phe Asp Asn Lys Thr Val Gly Leu Ala Ala Thr
 181 645 650 655
 184 Asp Gly Phe Asn Val Ala Glu Thr Arg Asn Ala Val Ile Ala Ala Ser
 185 660 665 670
 188 Asn Tyr Asn Ala Ser Ala Gly Thr Ile Asp Met Ile Val Lys Gln Glu
 189 675 680 685
 192 Ala Gly Gly Lys Ala Ile Lys Glu Val Arg Ile Ala Ala Trp Ser Glu
 193 690 695 700
 196 Ala Asp Gln Ser Asn Leu His Trp Tyr Val Ser Ser Thr Ile Ile Asp
 197 705 710 715 720
 200 Gly Lys Val Thr Val Thr Ile Asn Glu Lys Asn His Gln Tyr Ile Lys
 201 725 730 735
 204 Gly Asn Tyr Asn Ile His Val Tyr Val Asp Tyr Thr Asp Gly Thr Ser
 205 740 745 750
 208 Ser Gly Thr Asn Ile Gly Asn Tyr Ser Leu Asn Ala Asp Lys Pro Ala
 209 755 760 765
 212 Val Ala Leu Pro Ser Tyr Phe Ile Asp Ile Ser Ser His Asn Gly Ile
 213 770 775 780
 216 Ile Ser Val Ala Glu Phe Asn Ser Leu Lys Gln Gln Gly Ile Gln Gly
 217 785 790 795 800
 220 Val Val Val Lys Leu Thr Glu Gly Thr Ser Tyr Ile Asn Pro Tyr Ala
 221 805 810 815
 224 Ser Ser Gln Ile Ala Asn Ala Arg Ala Ala Gly Ile Lys Val Ser Ala
 225 820 825 830
 228 Tyr His Tyr Ala His Tyr Thr Ser Ala Ala Gly Ala Gln Glu Glu Ala
 229 835 840 845
 232 Arg Tyr Phe Ala Asn Ala Ala Arg Ser Phe Gly Leu Glu Ala Ser Thr
 233 850 855 860
 236 Val Met Val Asn Asp Met Glu Glu Ser Ser Met Val Asn Asn Ile Asn
 237 865 870 875 880
 240 Asn Asn Val Gln Ala Trp Gln Asp Glu Met Arg Arg Gln Gly Tyr Ser
 241 885 890 895
 244 Asn Leu Ile His Tyr Thr Met Ala Ser Trp Leu Asp Ile Arg Gly Gly
 245 900 905 910
 248 Gln Val Asp Thr Ala Arg Phe Gly Ile Asn Asn Phe Trp Val Ala His
 249 915 920 925
 252 Tyr Ala Lys Gly Tyr Thr Tyr Met Thr Gln Glu Glu Ala Lys Ser Leu
 253 930 935 940
 256 Asn Tyr Tyr Ala Asn Ala Ala Ala Trp Gln Tyr Thr Ser Val Ser Ser
 257 945 950 955 960
 260 Lys Leu Ser His Ala Leu Asp Glu Asn Ile Asp Tyr Thr Gly Arg Phe
 261 965 970 975
 264 Thr Gln Gln
 268 <210> SEQ ID NO: 2
 269 <211> LENGTH: 2940
 270 <212> TYPE: DNA
 271 <213> ORGANISM: Streptococcus mutans
 273 <400> SEQUENCE: 2
 274 atgaaaagca aaacttattt gatgattcca ttagcattga ccctatttat ggctgctaat

60

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/583,127

DATE: 07/27/2006
TIME: 10:27:25

Input Set : A:\FS04-421PCT sequence list.ST25.txt
Output Set: N:\CRF4\07272006\J583127.raw

276	aaaatatctg	cagatgagca	aatcaatcc	ttaagtgc	cat cagaagg	ttat	ttctgtat	120	
278	g	cgacatc	atc	atc	gatc	acc	acc	180	
280	aatggacaag	acagtactat	tcaattgc	cag	acacagg	aa	acagtctg	240	
282	agtacgtctg	agacaactgt	ttcctctatg	aaggcgg	caatgg	tc	acctgc	300	
284	gcaaatgaga	ctgaaacagt	tccgtctc	gca	aggta	ct	gactc	360	
286	gatcagattt	cgactgttcc	ctctgtaaaa	gcaga	aaacca	ctt	taccgc	420	
288	caatcaacat	catctgctcc	tttggatc	aa	caaactgat	ctaa	acgtct	480	
290	atgactccag	caagcagcgt	acaagctcg	tctt	cttta	caca	agacaa	540	
292	gcacaggaag	tcacaagtgc	tgtatggaa	gaaaaa	aggga	tta	agctaca	600	
294	cagatcgctc	gaaataactaa	gattcaattt	gctgtct	gggt	cag	ctgaaa	660	
296	gatcttcaat	ggtatacggc	aaataatatg	ggagcgg	cc	atg	ctgaaat	720	
298	cgtgagtatg	ggacctatta	tgttcatact	tat	gctaaatc	aaa	atggcaa	780	
300	cttaacgcaa	caactcttac	aattgctc	aa	cctcaggt	gc	aaactaat	840	
302	tcagcaacga	attttgagtt	aaccgtt	tt	aatgtt	ccta	atactatt	900	
304	gtacctgtct	ggtcagatca	aaacgg	tcaa	gatgat	at	tttt	960	
306	gctgatgatg	gcagttataa	ggctt	gatt	gata	aaa	atcaca	1020	
308	cattatgaag	ctcatattt	cggt	acag	taaccc	agt	ctcaat	1080	
310	gttagttctg	gttttgaccg	caatgata	act	acccaat	caagg	atc	1140	
312	tatgac	aaaaacgac	ctt	gtt	gatgtt	gtt	catctg	1200	
314	gtatctgctg	ttaatattgc	tgtt	gg	gataaa	gt	caagat	1260	
316	tattcaccaa	aaattgtcaa	caataagg	act	gtgac	ttaat	atcg	1320	
318	aataacttc	ataaatataa	tgtccat	tat	acagact	ac	actgat	1380	
320	ggtactattt	tagggctt	tca	gat	aaaccg	tt	gat	1440	
322	gatttaacta	gtgatggcat	tgct	ctc	aaa	ttagatt	aa	acacgg	1500
324	aaagtacgat	ttgccgtt	gtcg	gat	caa	aatgg	at	gatct	1560
326	gcaaata	atggagcggc	aact	gcag	ct	taacc	ac	gtgg	1620
328	catatccata	cttatattat	taa	agatgg	gaa	atgg	tt	gctt	1680
330	actattaatc	agcctag	tc	agg	tt	gat	aa	atccgat	1740
332	gtgactgtt	ctaac	ct	gtt	acatt	at	ttc	at	1800
334	aaaaacaatc	aagatgat	tca	atgg	att	tcg	gac	aa	1860
336	gcagcgcaaa	ttcagtt	tgat	cata	at	ggaa	ac	ag	1920
338	tatggacaaa	gtaaattt	ga	ataaa	acg	gtt	ggct	taat	1980
340	gttgcagaga	caaggaat	tgtt	atcg	ct	ttca	at	atg	2040
342	atagatatga	ttgtt	aaaca	aga	acgg	tt	aaag	cg	2100
344	gcttggtcag	aagctgat	atct	aac	tt	catt	gg	tat	2160
346	ggt	aaaggta	cag	tcc	cat	taat	gaaa	aaat	2220
348	attcatgtct	atgtt	gat	tat	gttgc	act	atgt	aaat	2280
350	agcttgaat	gt	at	aaacc	tg	ctt	ccat	tt	2340
352	cacaatggaa	tcattt	tc	ccg	att	aa	atag	ttt	2400
354	gtgg	ttt	tt	at	aa	act	ca	at	2460
356	gccaa	atg	cc	gg	ttt	tt	tt	tt	2520
358	gcgg	ct	gg	gg	ttt	tt	tt	tt	2580
360	gagg	cat	cc	tt	tt	tt	tt	tt	2640
362	aataatgtt	aa	gcttgg	ca	atg	atg	agg	gt	2700
364	tataactatgg	ct	atgtt	gg	at	ata	ac	ttt	2760
366	atcaataatt	ttt	gggtt	gc	attat	g	ttt	ttt	2820
368	gcta	aaatccc	tta	attat	tg	ct	at	act	2880
370	aaattgtctc	atgtt	ttt	gg	ttt	ttt	ttt	ttt	2940
373	<210>	SEQ	ID	NO:	3				

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/583,127

DATE: 07/27/2006
TIME: 10:27:25

Input Set : A:\FS04-421PCT sequence list.ST25.txt
Output Set: N:\CRF4\07272006\J583127.raw

374 <211> LENGTH: 20
375 <212> TYPE: DNA
376 <213> ORGANISM: artificial sequence
378 <220> FEATURE:
379 <223> OTHER INFORMATION: primer
381 <400> SEQUENCE: 3
382 agttcctgcc atactactgt 20
385 <210> SEQ ID NO: 4
386 <211> LENGTH: 28
387 <212> TYPE: DNA
388 <213> ORGANISM: artificial sequence
390 <220> FEATURE:
391 <223> OTHER INFORMATION: primer
393 <400> SEQUENCE: 4
394 caggatccgt acaagctcgt tcttctct 28

VERIFICATION SUMMARY DATE: 07/27/2006
PATENT APPLICATION: US/10/583,127 TIME: 10:27:26

Input Set : A:\FS04-421PCT sequence list.ST25.txt
Output Set: N:\CRF4\07272006\J583127.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date